



# Safety Data Sheet

According to EC Directive 2001/58/EC

Print date: 01-Jul-2004

Revision Number: 1

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

**Product code:** 4185.01.08  
**Product name:** Sierrablen Mini 19+5+18+2MgO+TE 3-4 M

### Use of the Substance/Preparation

**Recommended use:** Fertilizer

**Company/Undertaking Identification**  
Scotts International BV  
Nijverheidsweg 1-5  
6422 PD Heerlen (NL)  
Tel: ++31 (0) 45-5609100  
Fax: ++31 (0) 45-5609190

**Emergency telephone number:** As long as no emergency telephone number is available in Europe, please contact in case of an emergency: ++31 (0) 45-5609100

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Magnesiumoxide, MgO	1309-48-4	1 - 5%	215-171-9	NE
Magnesiumsulphate, MgSO <sub>4</sub>	7487-88-9	1 - 5%	231-298-2	Xi;R36/37/38
Manganese(II) sulfate	7785-87-7	< 1%	025-003-00-4	N;R51/53 Xn;R48/20/22

For the full text of the R phrases mentioned in this Section, see Section 16

## 3. HAZARDS IDENTIFICATION

### Classification

The product is non-dangerous in accordance with Directive 1999/45/EC

### Most important hazards

None

## 4. FIRST AID MEASURES

**General advice:** If you feel unwell, seek medical advice (show the label where possible).

<b>Ingestion:</b>	Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. In case of respiratory difficulties practice oxygenotherapy. Possible symptoms are nausea and/or vomiting.
<b>Inhalation:</b>	In case of shortness of breath, give oxygen. Possible symptoms are coughing and/or dyspnoea. Move to fresh air. If symptoms persist, call a physician.
<b>Skin contact:</b>	If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Protection of first-aiders:</b>	Low hazard for usual industrial or commercial handling.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Extinguishing media which must not be used for safety reasons:**

No information available.

**Special exposure hazards arising from the substance or preparation, its combustion products, or released gases:**

Product smoulders! In case of fire, cool with water or waterspray. Thermal decomposition can lead to release of irritating gases and vapors.

**Special protective equipment for firefighters:**

In the event of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus for fire fighting if necessary. Evacuate area and fight fire from a safe distance.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid dust formation. Ensure adequate ventilation.
<b>Environmental precautions:</b>	Prevent product from entering drains. Do not contaminate surface water.
<b>Methods for cleaning up:</b>	Shovel or sweep up. Use up product completely. Packaging material is industrial waste.

## 7. HANDLING AND STORAGE

**Handling:****Technical measures/precautions:**

No special technical protective measures required.

**Safe handling advice:**

Keep away from open flames, hot surfaces and sources of ignition.

**Storage:**

Keep away from heat and sources of ignition. Keep away from food, drink and animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well..

**Incompatible products:**

Not applicable.

**Specific use(s):**

Granulated fertilizer

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

**Engineering measures to reduce exposure:** Ensure adequate ventilation.

### Personal protective equipment

- Respiratory protection:** Not applicable
- Hand protection:** Pvc or other plastic material gloves.
- Eye protection:** Safety glasses.
- Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.
- Hygiene measures** Follow good housekeeping practices. When using, do not eat, drink or smoke.

**Environmental exposure controls** No data available

### Exposure limit values

#### *Magnesiumoxide, MgO*

Germany (DFG) - MAK	6 mg/m <sup>3</sup>
France - Valeurs Limites d'exposition (VLE)	10 mg/m <sup>3</sup>
Belgium - 8 Hr VLE	10 mg/m <sup>3</sup>
Netherlands - OEL - MACs:	10 mg/m <sup>3</sup>
Norway - 8 Hr:	10 mg/m <sup>3</sup>
UK EH40 MEL (TWA):	10 mg/m <sup>3</sup>
Austria - MAKs	6 mg/m <sup>3</sup>

#### *Manganese(II) sulfate*

Belgium - 8 Hr VLE	0.2 mg/m <sup>3</sup>
Netherlands - OEL - MACs:	1 mg/m <sup>3</sup>
Norway - 8 Hr:	2.5 mg/m <sup>3</sup>
UK EH40 MEL (TWA):	5 mg/m <sup>3</sup>
Finland - Occupational Exposure Limits - 8 hour	0.5 mg/m <sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

### General Information

**Physical State:** Solid

**Appearance:** granular

**Color:** Brown, Pink, greenish

**Odor:** Not significant

### Important Health Safety and Environmental Information

**Solubility:** Coating not soluble, release nutrients through coating

### Other information

**Bulk density:** 1042 kg/m<sup>3</sup>

**Decomposition temperature:** > 150°C

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions..
<b>Conditions to avoid:</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Materials to avoid:</b>	Oxidising agents.
<b>Hazardous decomposition products:</b>	Carbon monoxide. Nitrogen oxides (NOx). Ammonia. Hydrogen chloride gas.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

<b>Other information on acute toxicity:</b>	No information available
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### Product information

#### Local effects

<b>Skin irritation:</b>	May cause skin irritation in susceptible persons.
<b>Eye irritation:</b>	Contact with eyes may cause irritation.
<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

## 12. ECOLOGICAL INFORMATION

### Product information

<b>Aquatic toxicity:</b>	No ecological information is known on the product
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### Component Information

*Magnesiumoxide, MgO*

<b>Ecotoxicity:</b>	No information available
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*Magnesiumsulphate, MgSO4*

<b>Ecotoxicity:</b>	No information available
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*Manganese(II) sulfate*

<b>Ecotoxicity:</b>	No information available
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<b>Other information</b>	No ecological information is known on the product nor on any of its ingredients
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## 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues / unused products:</b>	Use up product completely. Packaging material is industrial waste.
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**Contaminated packaging:** In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

### Product information

**Physical State:** Solid

### ADR/RID

**UN-No:** Not regulated

### ICAO

**UN-No:** Not regulated

### IATA-DGR

**UN-No:** Not applicable

### IMO / IMDG

**UN-No:** Not regulated

## 15. REGULATORY INFORMATION

### Indication of danger:

Not dangerous

### International Inventories

Components	EC-No.	EU - NLPL:	PICCS:	ENCS:	DSL:	TSCA:	CHINA:	AICS:	KECL:
<i>Magnesiumoxide, MgO</i>	215-171-9								
<i>Magnesiumsulphate, MgSO4</i>	231-298-2								
<i>Manganese(II) sulfate</i>	025-003-00-4								

## 16. OTHER INFORMATION

### Text of R Phrases mentioned in Section 2

- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Prepared by:** Regulatory Affairs Department

**Product code:** 4185.01.08

**Sierrablen Mini 19+5+18+2MgO+TE 3-4 M**

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**End of Safety Data Sheet**